Abarna_day91

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

typedef struct {
    char from[51];
    char to[51];
    int cost;
} Route;

int find_start_city(Route *routes, int n, char *start) {
    int is_start;
    for (int i = 0; i < n; i++) {
        is_start = 1;
        for (int j = 0; j < n; j++) {
            if (strcmp(routes[i].from, routes[j].to) == 0) {
                is_start = 0;
                break;
            }
        }
        if (is_start) {
            strcpy(start, routes[i].from);
            return 1;
        }
    }
    return 0;
}

void find_route(Route *routes, int n, char *start, int *total_cost) {
    char current_city[51];
    strcpy(current_city, start);
    *total_cost = 0;

    for (int i = 0; i < n; i++) {
        for (int j = 0; j < n; j++) {
            if (strcmp(current_city, routes[j].from) == 0) {
                printf("%s %s %d\n", routes[j].from, routes[j].to, routes[j].cost);
                *total_cost += routes[j].cost;
                strcpy(current_city, routes[j].to);
                break;
            }
        }
    }
}

int main() {
```

```
    int T;
    scanf("%d", &T);

    while (T--) {
        int N;
        scanf("%d", &N);
        Route routes[N - 1];
        char start_city[51];

        for (int i = 0; i < N - 1; i++) {
            scanf("%s %s %d", routes[i].from, routes[i].to, &routes[i].cost);
        }

        if (find_start_city(routes, N - 1, start_city)) {
            int total_cost;
            find_route(routes, N - 1, start_city, &total_cost);
            printf("%d\n", total_cost);
        }
    }

    return 0;
}
```